



LEGEND

- 1991 IFIM Surveys
- 1997 2-foot contour mapping
- August 2002 Survey
- 1991 Water Surface
- 2002 Water Surface

CONTROL POINT DATA

I-30 (concrete and pipe)	I-29 (concrete and pipe)
Northing: 2295836.605	Northing: 2296189.842
Easting: 6674866.055	Easting: 6674642.914
Elevation: 126.56'	Elevation: 142.84'

TRANSECT DATA

Length (2002): 1436.50'	Azimuth: 32°18'48"
Length (1991): 417.93'	Azimuth: 32°18'48"

GAGE DATA (from USGS)

Oroville Gage:	Gridley Gage:
7/14/92: 1010cfs	7/14/92: 2890cfs
9/6/02: 629cfs	9/6/02: 2725cfs

Notes:

- 1) Land surveys, depth soundings, and velocities for the 1992 IFIM surveys were conducted on July 14, 1992.
- 2) Assumed elevations for the control points were converted to actual elevations by a level survey performed by DWR-Land and Right-of-Way in June 1996.
- 3) The 1997 cross-section was generated from 2-foot contour topographic mapping from the U.S. Army Corps of Engineers (COE) Comprehensive Study. The actual cross-section was generated using Land Developer and AutoCad software.
- 4) The 2002 cross-section was surveyed in June 2002. Coordinates for the IFIM control points were generated using a RTK GPS survey with a Trimble backpack 4700 receiver. Distances and elevations were measured along section with conventional total station surveying equipment.
- 5) Elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD29).

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Oroville Facilities Relicensing FERC Project No. 2100

SP--G2 -- Task 3
Appendix C -- Plate 8
Channel Changes -- 1992 - 2002
Robinson Rifle -- Transect 1
RM 61.02



Prepared by:
JHM -- DWR

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Filename
CrossSectionComparisons--IfIM-jhm-